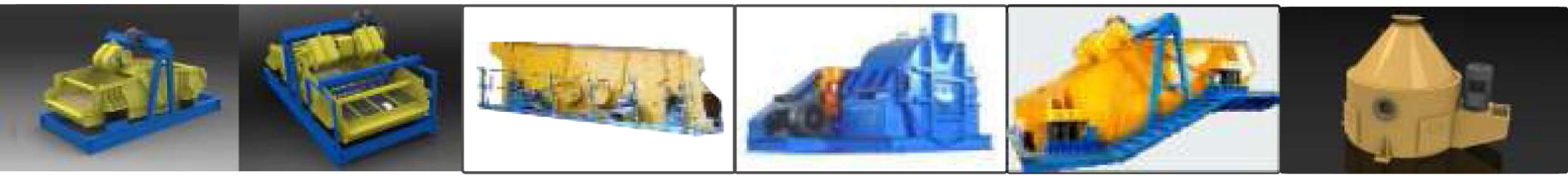
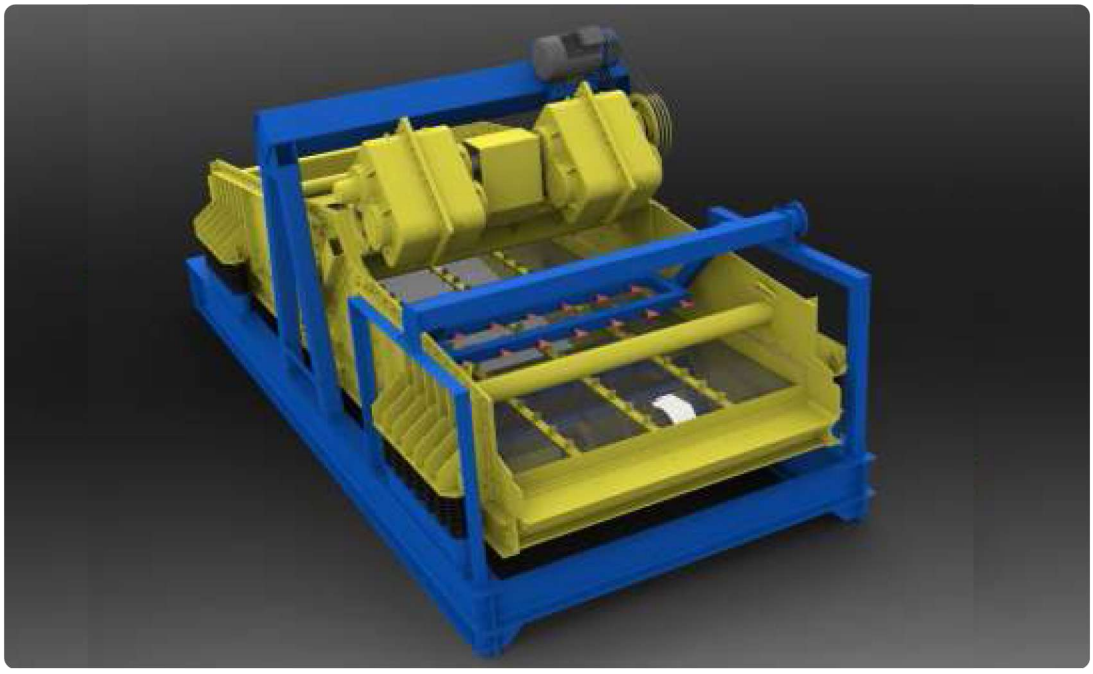
Vibrating Screens & Dewatering Centrifuges





HORIZANTAL VIBRATING SCREENS

Horizontal Vibrating Screens are usually used for percolation and dewatering applications. Our Horizontal Screens are produced in 2 types as welded and complete bolt junction body design. They are used in mining sector for high level screening, dewatering and draining applications of coal, gold, iron, lead, chrome, sand etc.

BODY

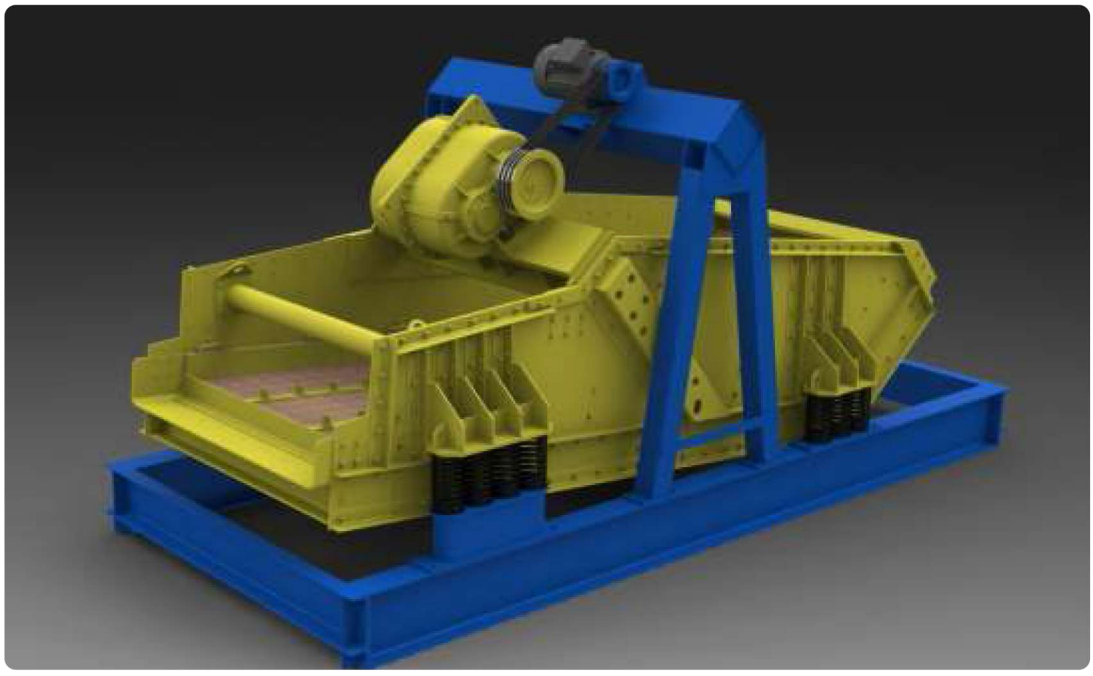
- Welded body is a durable built design.
- Complete bolt junctioned type body is a design which allows piece-by-piece replacement of the worn parts in a couple of hours
- They can also be manufactured with custom body designs in order to meet special needs or special screen surfaces.

MECHANISM

- Body is made of nodular cast iron and durable against vibration.
- Bearings have 50.000 hours working life for vibrating loads
- There is vee belt drive between the vibrating mechanism and the electric motor.
- Screen body is installed on spiral coils.

AVAILABLE SIZES

- Width: 0,9 mt and 3,6 mt
- Length: 3 mt and 7,2 mt



DEWATERING VIBRATING SCREENS

They are used for the dewatering of fine particles. High Speed Dewatering Vibrating Screen provides with a thick bed to build and trap fine particles through its 5° (opposite) inclined deck chasis. It prevents water of taking fine particles away through openings.

BODY

- Deck chasis, declined feeding section and inclined main section.
- It is stimulated on spiral coils and rubber mounts.
- It is manufactured with various types of screen surfaces.

MECHANISM

- Body is made of nodular cast iron and durable against vibration.
- Bearings have 50.000 hours working life for vibrating loads.
- Lubrication is liquid oil dip.
- There is vee belt drive between the vibrating mechanism and the electric motor.
- Screen body is installed on spiral coils.

AVAILABLE SIZES

- Width: 0,9 mt and 2,4 mt
- Length: 1,8 mt and 3,6 mt

BANANA TYPE VIBRATING SCREENS

Banana type screens enables screening with high capacity and high efficiency. It allows the minor particles going through the screen opening while the multiple sloped decks allow the bed to remain thin. It is much more efficient in high capacities in comparison to traditional vibrating screens. We serve toour customers to present the most qualified screens in the sector through the latest screening technology with the modern manufacturing and assembly facility.

BODY

- Screen body is completely bolt junction.
- Most of the assembly junctions are made with huck bolts.
- Liner on deck chassis against wearing (optional)
- Single or double deck design.

MECHANISM

- Cardan Driven Shaft (Optional).
- With vibrating mechanism and 50000 hours of bearing working life.
- Lubrication is liquid oil dip.
- There is vee belt drive between the vibrating mechanism and the electric motor.
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- Screen body is installed on spiral coils.

AVAILABLE SIZES

- Width: 1,8 mt and 4,2 mt
- Length: 4,8 mt and 9 mt

CIRCULAR MOTION INCLINE VIBRATING SCREENS

Circular Motion Incline Vibrating Screens are generally used for material sizing applications. The circular motion allows the material to roll out of the openings and prevents clogging of near size particles or non-cubical shaped particles. Our Circular Motion Incline Vibrating Screens are manufactured as 1, 2, 3 or 4 decks for the classification of coal, rock, sand and gravel or any material to be separated on its size.

BODY

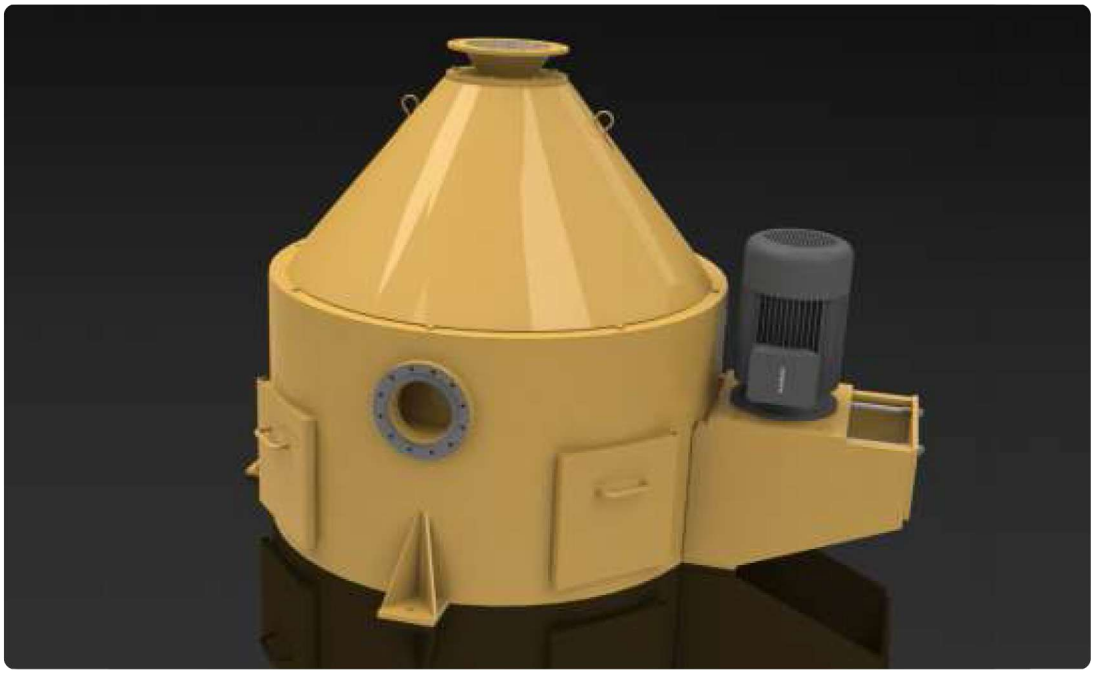
- All screen bodies are designed and manufactured by using state-of-the-art 3-D modeling devices.
- Screen Body is stimulated on spiral coils or rubber mounts.
- 1, 2, 3 and 4 decks designs are available.

MECHANISM

- Bearings have 50.000 hours working life for vibrating loads.
- Lubrication is liquid oil dip.
- There is vee belt drive between the vibrating mechanism and the electric motor.
- Screen body is installed on spiral coils.
- Weights are adjustable type.

AVAILABLE SIZES

- Width: 1,2 mt ile 3 mt
- Length: 3,6 mt ile 9 mt
- Ength: 3,6 mt ile 9 mt



SLURRY DEWATERING CENTRIFUGES

It operates with less revolution, thus it consumes less power, parts and wearable surfaces have longer life span and the product is less disintegrated.

Slurry Dewatering Centrifuge's basket has a broad screen for better drying.

Slurry Dewatering Centrifuges might be used in various material industries for different size intervals depending on the material to be processed.

OPERATION

Solids in the material fed to the machine are caught on the screen surface while the free liquid goes through the screen openings via the centrifugal force.

Solids on the screen fall dawn through the sub-opening of the machine. The liquid passed through the screen is collected and discharged from two effluent outlets.

AVAILABLE SIZES

- Feeding Sizes: 0,15 – 3 mm
- Capacities: 15 - 250 TPH

DEWATERING CENTRIFUGES

Dewatering centrifuges present the most economical and technical solution to separate the solid particules from the liquids. Dewatering centrifuges perform the drying of the moisture rate to a low level in a limited time and space by separating large amounts of solid-liquid mixtures.

OPERATIONAL FEATURES

Dewatering Centrifuges are very productive centrifuges in terms of the intensity of produced solid amount. The movement of the solid parts on the screen is enabled by the compound effect of the basket's slope and the vibration in axial direction. Since the vibration speed is kept under limit via the structure of the centrifuge, vibrating centrifuges operate with centrifugal force less than 120g by the rule. Due to these features, vibrating centrifuges are primarily used to decrease the moisture rates of the coarse-grained mixtures as washed fine coal, salt and sand toward an acceptable level.

STRUCTURAL FEATURES

The main parts of our Dewatering Centrifuges consist of machine bed, liquid and solid concentration parts, vibration system, conic basket and main shaft. Vibration system enables the basket to move with a vibration in a frequency lower than the natural vibration frequency. Machine continues to operate without being affected by the changes in the amounts of mixture feeding. The main shaft carrying the basket and the vibration system is stimulated by the V-belt and its speed is adjusted according to the operation conditions. Since the body of our Dewatering Centrifuge is not affected by vibration, it can operate in multi-story buildings without requiring additional weight and installation.

AVAILABLE SIZES

- Feeding Sizes: 0,5 – 40 mm
- Capacities: 330 TPH (max)